## FIGURE 1

!! 430 15 START CREATING A DATA MESSAGE COMPRISING PSEUDORANGE DATA FOR A DESIGNATED LOCATION AND PSEUDORANGE CORRECTIONS FOR A REGION SURROUNDING THE DESIGNATED LOCATION 110 SENDING THE DATA MESSAGE VIA A CELLULAR TELEPHONE CONNECTION TO A BASE STATION LOCATED IN THE DESIGNATED REGION SURROUNDING THE DESIGNATED LOCATION 120 TRANSMITTING THE DATA MESSAGE FROM THE BASE STATION TO A MOBILE POSITION DETERMINATION UNIT USING A RADIO TRANSMITTER 130

END.

## FIGURE 2A

BASE STATION 210	CELLULAR TELEPHONE MODULE 214
	RADIO MODULE <u>213</u>
	BLUETOOTH MODULE <u>212</u>
	GPS MODULE <u>211</u>

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MOBILE POSITION DETERMINATION UNIT <u>220</u>	RADIO MODULE <u>223</u>
	BLUETOOTH MODULE <u>222</u>
POSITION	GPS MODULE <u>221</u>

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CELLULAR TELEPHONE MODULE <u>224</u> (Optional)

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TION	210b	CELLULAR TELEPHONE MODULE <u>214</u>
		BLUETOOTH MODULE 212 B
BASE STATION 210	210a	BLUETOOTH MODULE <u>212 A</u>
		RADIO MODULE <u>213</u>
		GPS MODULE <u>211</u>

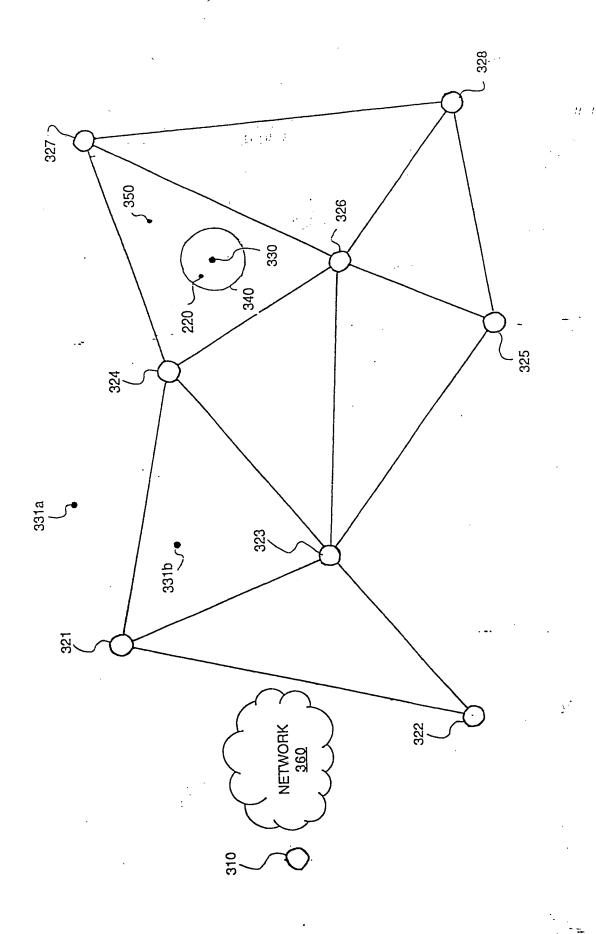
 $(G^{*}B)$ 

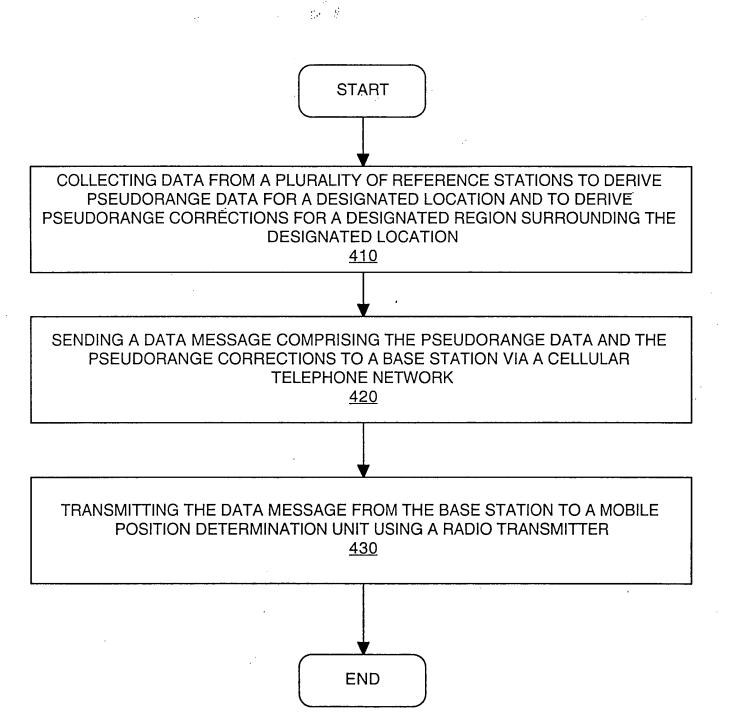
MOBILE POSITION DETERMINATION UNIT	RADIO MODULE <u>223</u>
	BLUETOOTH MODULE <u>222</u>
	GPS MODULE <u>221</u>

BASE STATION 210	CELLULAR TELEPHONE MODULE 214
	RADIO MODULE <u>213</u>
	BLUETOOTH MODULE <u>212</u> (Optional)

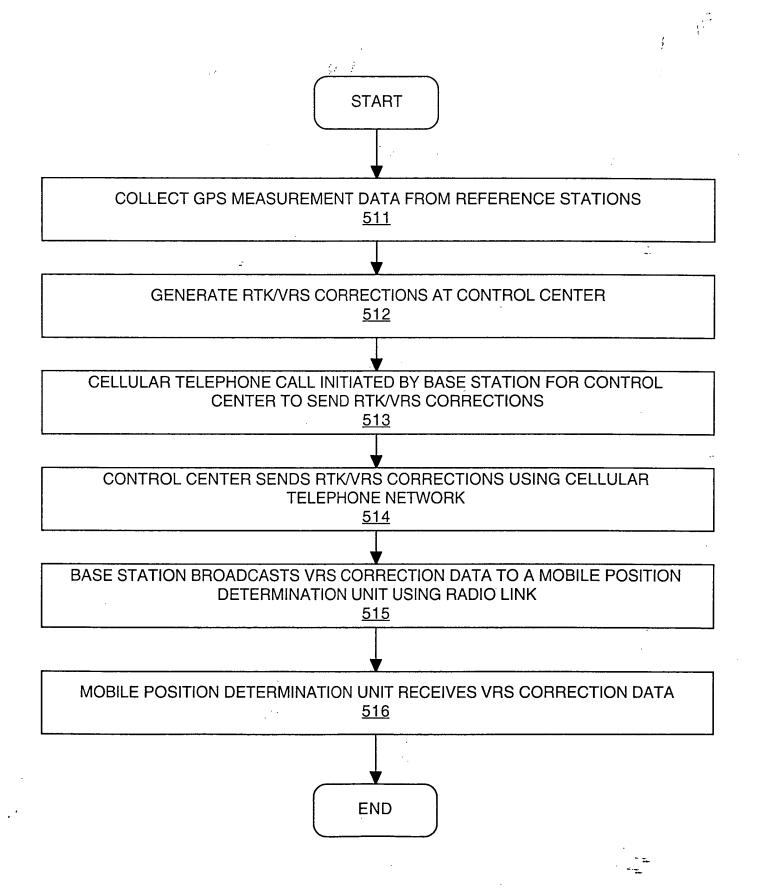
MOBILE POSITION DETERMINATION UNIT 220	RADIO MODULE 223
	BLUETOOTH MODULE <u>222</u> (Optional)
	GPS MODULE <u>221</u>

CELLULAR TELEPHONE MODULE <u>224</u> (Optional)





## FIGURE 5A



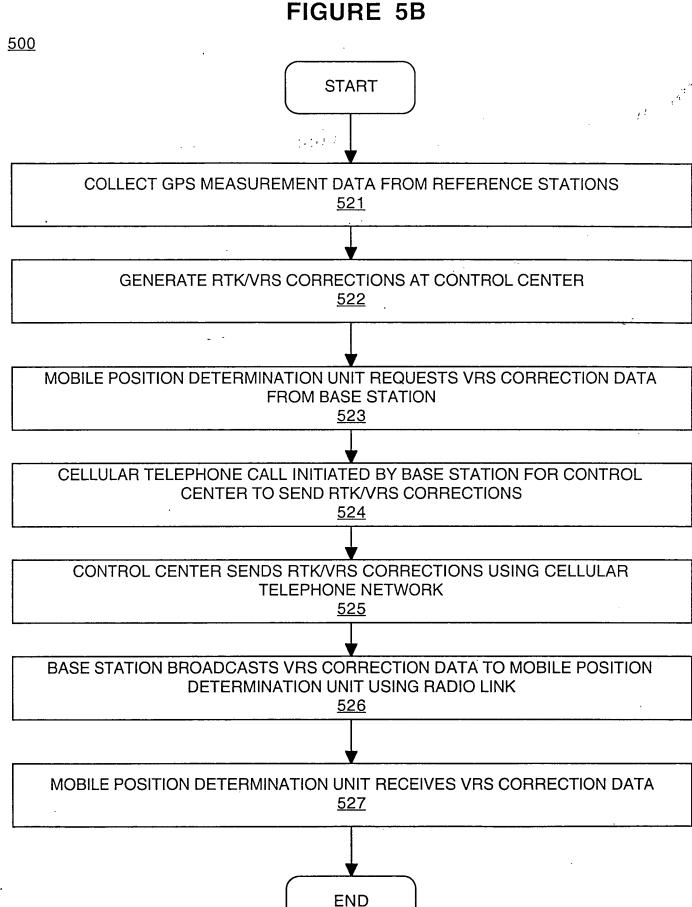


FIGURE 5C 500 START COLLECT GPS MEASUREMENT DATA FROM REFERENCE STATIONS 531 GENERATE RTK/VRS CORRECTIONS AT CONTROL CENTER 532 MOBILE POSITION DETERMINATION UNIT REQUESTS VRS CORRECTION DATA FROM CONTROL CENTER 533 CELLULAR TELEPHONE CALL INITIATED BY CONTROL CENTER FOR BASE STATION TO SEND POSITION FIX 534 BASE STATION SENDS POSITION FIX TO CONTROL CENTER 535 CONTROL CENTER SENDS RTK/VRS CORRECTIONS USING CELLULAR TELEPHONE NETWORK 536 BASE STATION BROADCASTS VRS CORRECTION DATA TO MOBILE POSITION DETERMINATION UNIT USING RADIO LINK 537 MOBILE POSITION DETERMINATION UNIT RECEIVES VRS CORRECTION DATA 538

END